



## ***Appendix B. Plots of SAR Measurement***

The plots are shown as follows.

## 09 GSM850\_Right Cheek\_Ch251

### DUT: 192301-01

Communication System: Generic GSM; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium: HSL\_835\_120310 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.927$  mho/m;  $\epsilon_r = 41.382$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.4, 9.4, 9.4); Calibrated: 16.11.2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 10.11.2011
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch251/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.272 mW/g

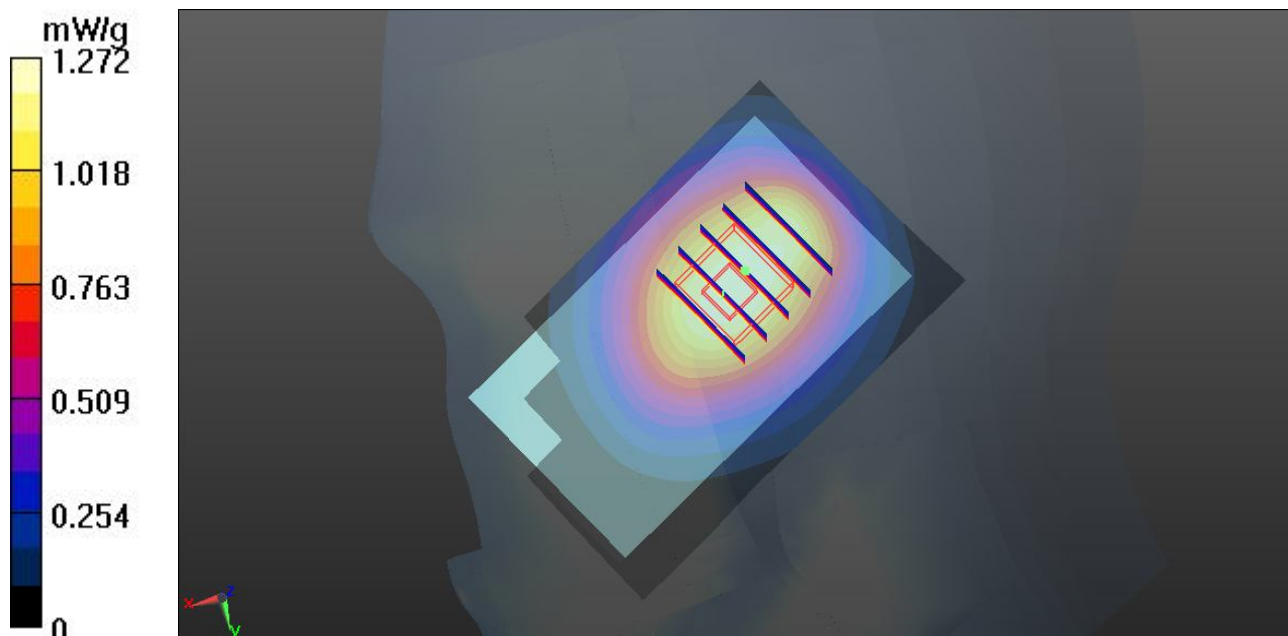
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.428 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.5840

**SAR(1 g) = 1.23 mW/g; SAR(10 g) = 0.883 mW/g**

Maximum value of SAR (measured) = 1.299 mW/g



## 10 GSM850\_Right Tilted\_Ch251

**DUT: 192301-01**

Communication System: Generic GSM; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium: HSL\_835\_120310 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.927$  mho/m;  $\epsilon_r = 41.382$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.4, 9.4, 9.4); Calibrated: 16.11.2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 10.11.2011
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch251/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.817 mW/g

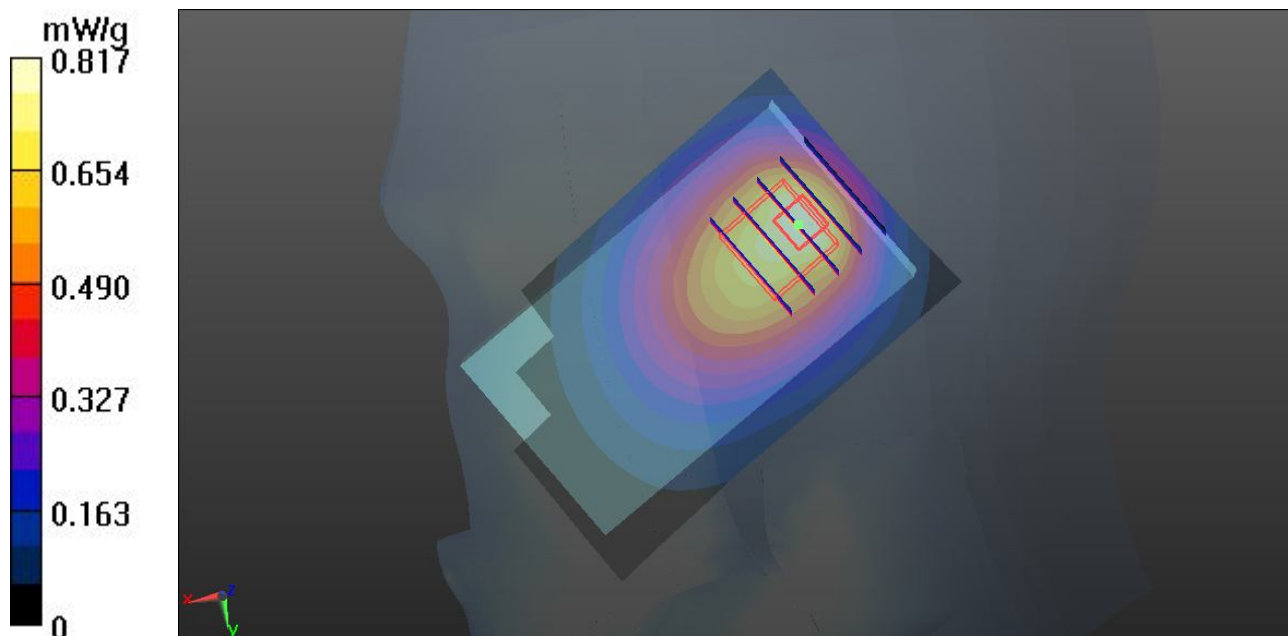
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.290 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.9960

**SAR(1 g) = 0.711 mW/g; SAR(10 g) = 0.506 mW/g**

Maximum value of SAR (measured) = 0.749 mW/g



## 11 GSM850\_Left Cheek\_Ch251

### DUT: 192301-01

Communication System: Generic GSM; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium: HSL\_835\_120310 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.927$  mho/m;  $\epsilon_r = 41.382$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.4, 9.4, 9.4); Calibrated: 16.11.2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 10.11.2011
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch251/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.364 mW/g

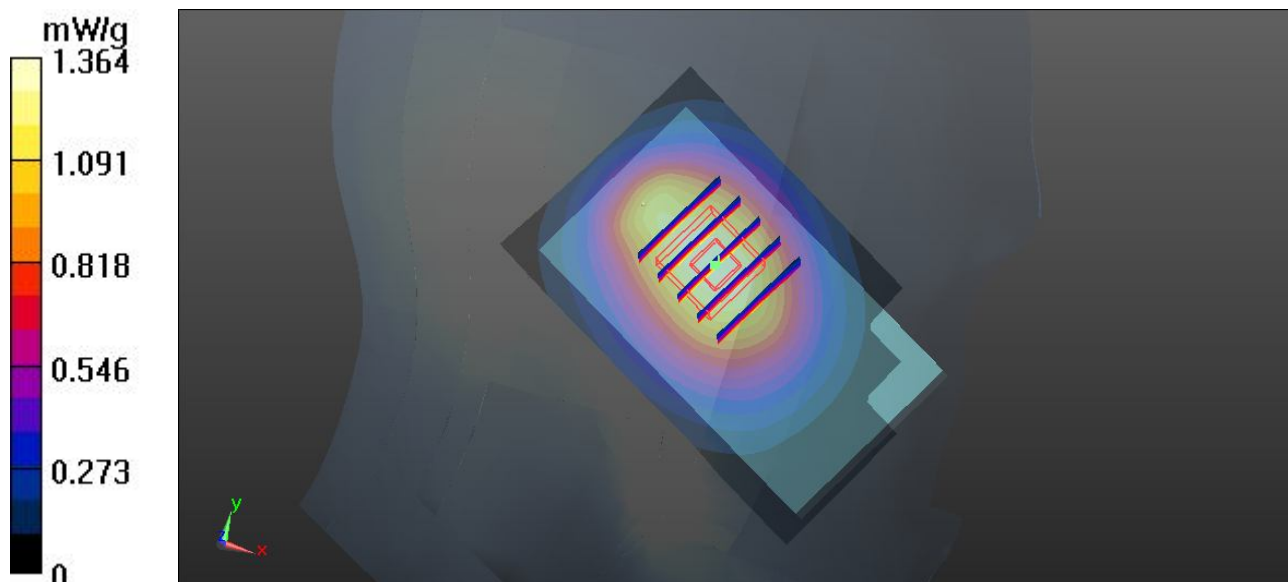
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.180 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.6390

**SAR(1 g) = 1.26 mW/g; SAR(10 g) = 0.905 mW/g**

Maximum value of SAR (measured) = 1.336 mW/g



## 11 GSM850\_Left Cheek\_Ch251\_2D

**DUT: 192301-01**

Communication System: Generic GSM; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium: HSL\_835\_120310 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.927$  mho/m;  $\epsilon_r = 41.382$ ;

$\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.4, 9.4, 9.4); Calibrated: 16.11.2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 10.11.2011
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch251/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.364 mW/g

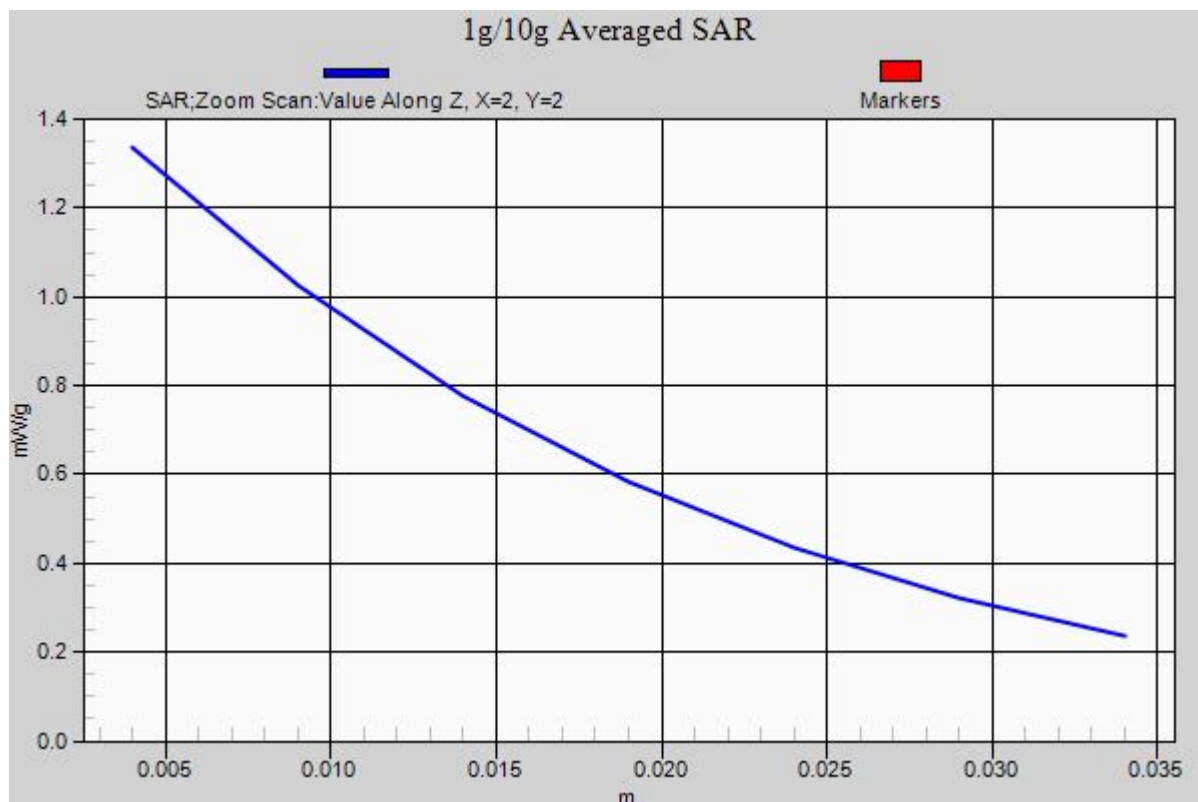
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.180 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.6390

**SAR(1 g) = 1.26 mW/g; SAR(10 g) = 0.905 mW/g**

Maximum value of SAR (measured) = 1.336 mW/g



## 12 GSM850\_Left Tilted\_Ch251

### DUT: 192301-01

Communication System: Generic GSM; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium: HSL\_835\_120310 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.927$  mho/m;  $\epsilon_r = 41.382$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.4, 9.4, 9.4); Calibrated: 16.11.2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 10.11.2011
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch251/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.853 mW/g

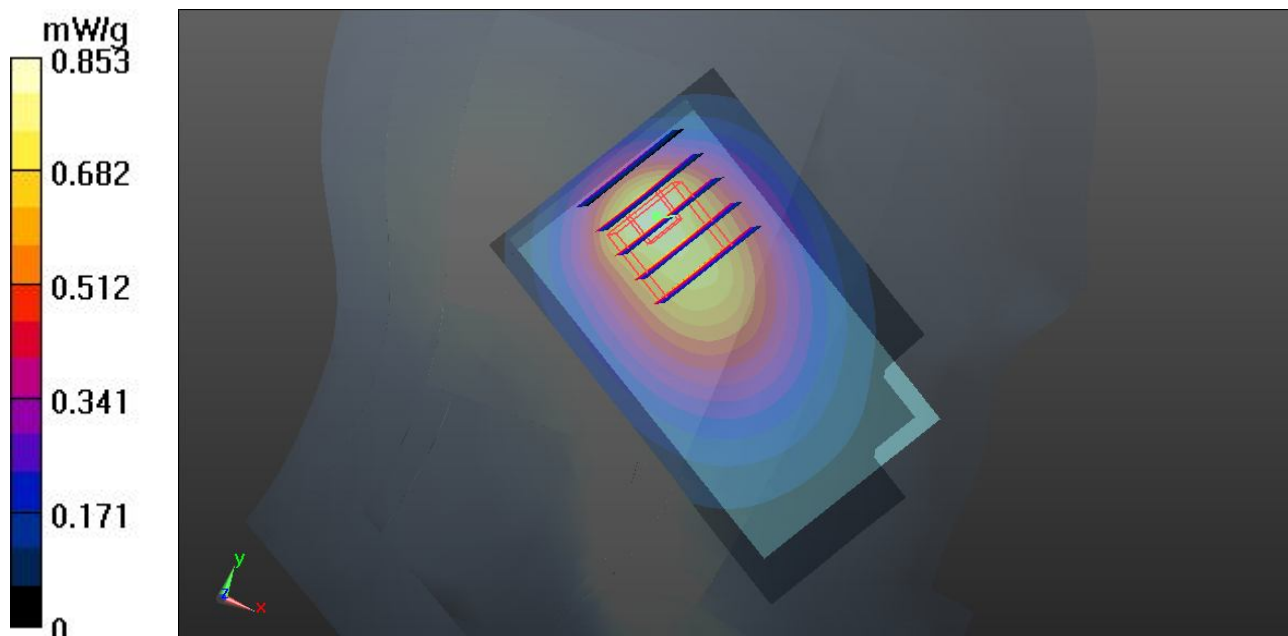
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.374 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.0320

**SAR(1 g) = 0.715 mW/g; SAR(10 g) = 0.512 mW/g**

Maximum value of SAR (measured) = 0.742 mW/g



### 13 GSM850\_Right Cheek\_Ch128

**DUT: 192301-01**

Communication System: Generic GSM; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

Medium: HSL\_835\_120310 Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.906$  mho/m;  $\epsilon_r = 41.628$ ;

$\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.4, 9.4, 9.4); Calibrated: 16.11.2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 10.11.2011
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch128/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.952 mW/g

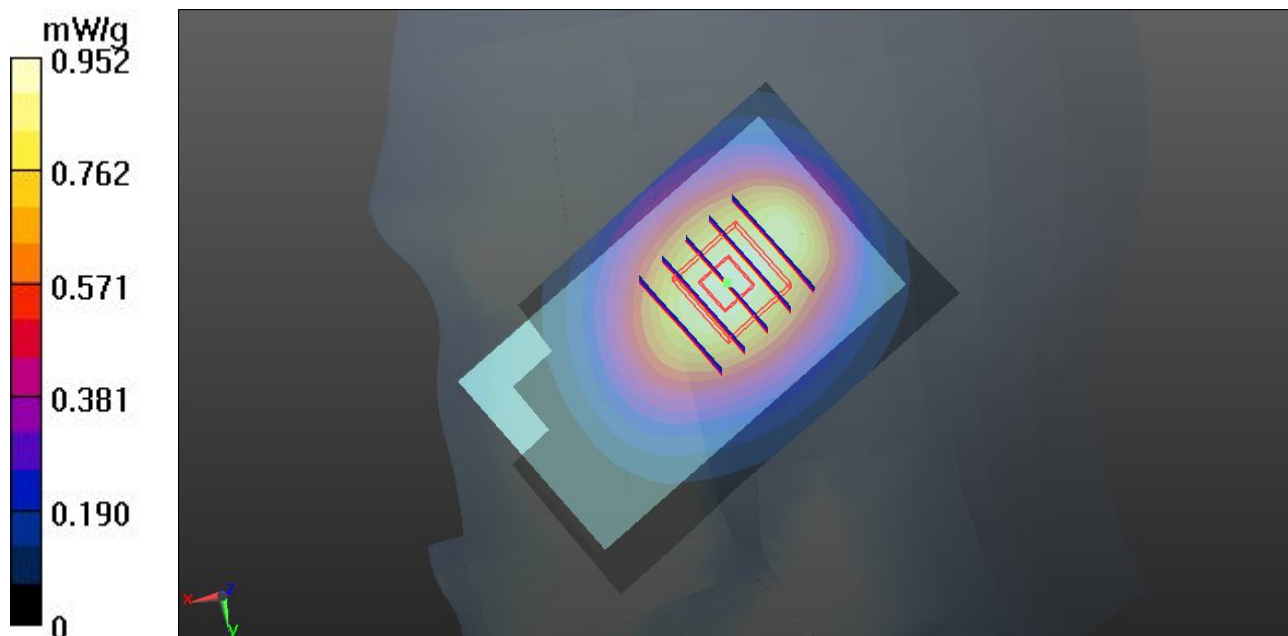
**Ch128/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.176 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.1510

**SAR(1 g) = 0.893 mW/g; SAR(10 g) = 0.646 mW/g**

Maximum value of SAR (measured) = 0.947 mW/g



### 14 GSM850\_Right Cheek\_Ch189

**DUT: 192301-01**

Communication System: Generic GSM; Frequency: 836.4 MHz; Duty Cycle: 1:8.3

Medium: HSL\_835\_120310 Medium parameters used:  $f = 836.5$  MHz;  $\sigma = 0.917$  mho/m;  $\epsilon_r = 41.516$ ;

$\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.4, 9.4, 9.4); Calibrated: 16.11.2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 10.11.2011
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch189/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.145 mW/g

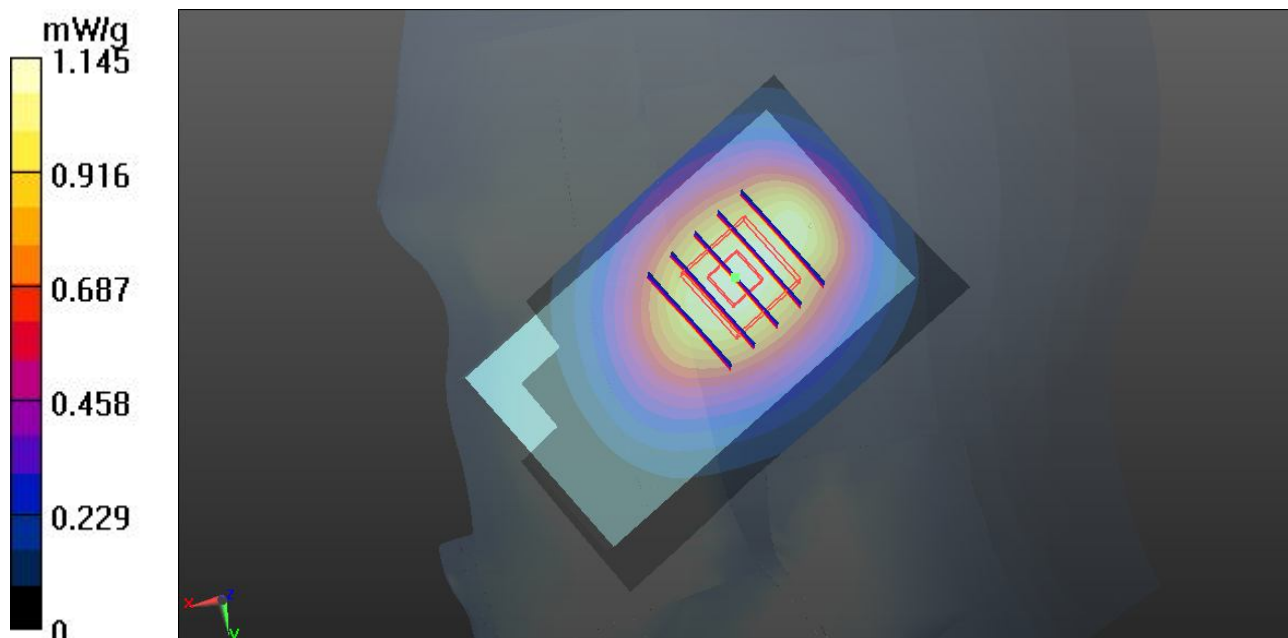
**Ch189/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.749 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.3850

**SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.775 mW/g**

Maximum value of SAR (measured) = 1.142 mW/g





### 15 GSM850\_Left Cheek\_Ch128

**DUT: 192301-01**

Communication System: Generic GSM; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

Medium: HSL\_835\_120310 Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.906$  mho/m;  $\epsilon_r = 41.628$ ;

$\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.4, 9.4, 9.4); Calibrated: 16.11.2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 10.11.2011
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch128/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.038 mW/g

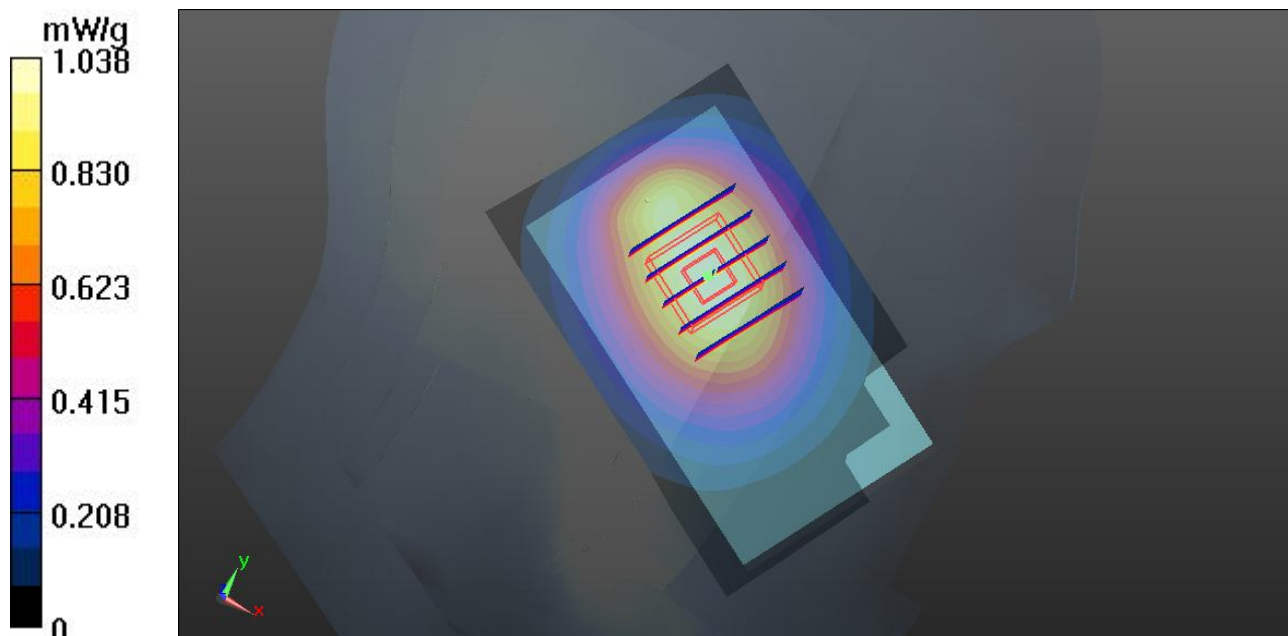
**Ch128/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.893 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.2320

**SAR(1 g) = 0.951 mW/g; SAR(10 g) = 0.687 mW/g**

Maximum value of SAR (measured) = 1.007 mW/g



## 16 GSM850\_Left Cheek\_Ch189

**DUT: 192301-01**

Communication System: Generic GSM; Frequency: 836.4 MHz; Duty Cycle: 1:8.3

Medium: HSL\_835\_120310 Medium parameters used:  $f = 836.5$  MHz;  $\sigma = 0.917$  mho/m;  $\epsilon_r = 41.516$ ;

$\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.4, 9.4, 9.4); Calibrated: 16.11.2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 10.11.2011
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch189/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.223 mW/g

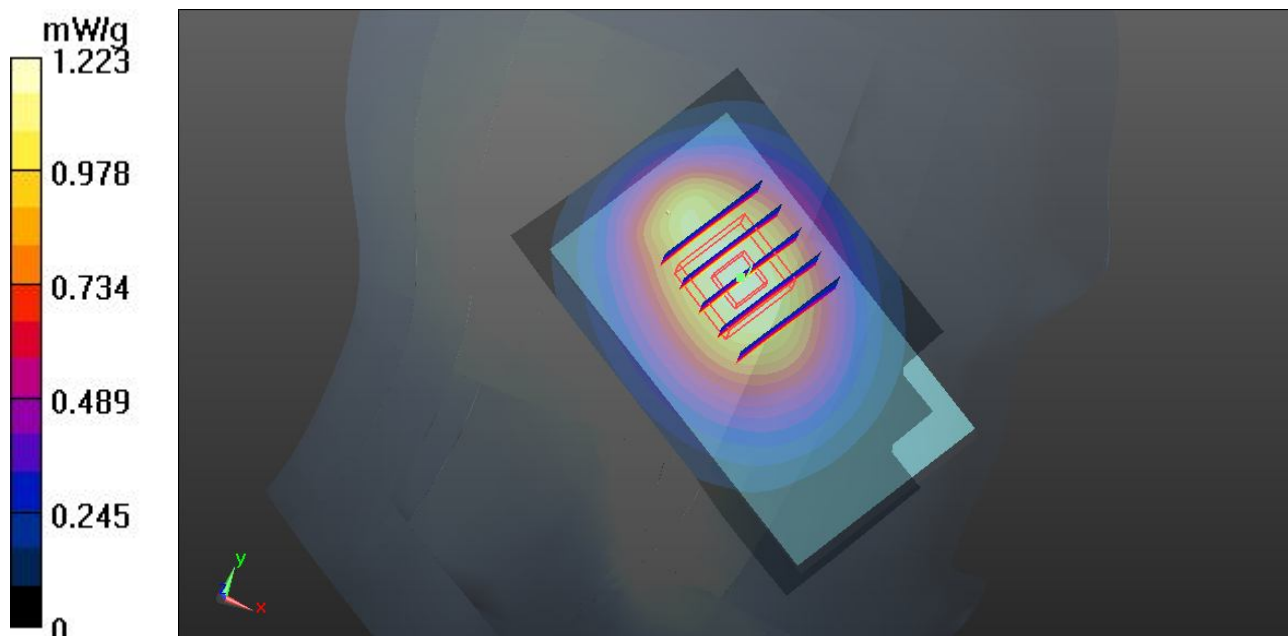
**Ch189/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.639 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.4640

**SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.816 mW/g**

Maximum value of SAR (measured) = 1.201 mW/g



### 03 GSM1900\_Right Cheek\_Ch661

#### DUT: 192301-01

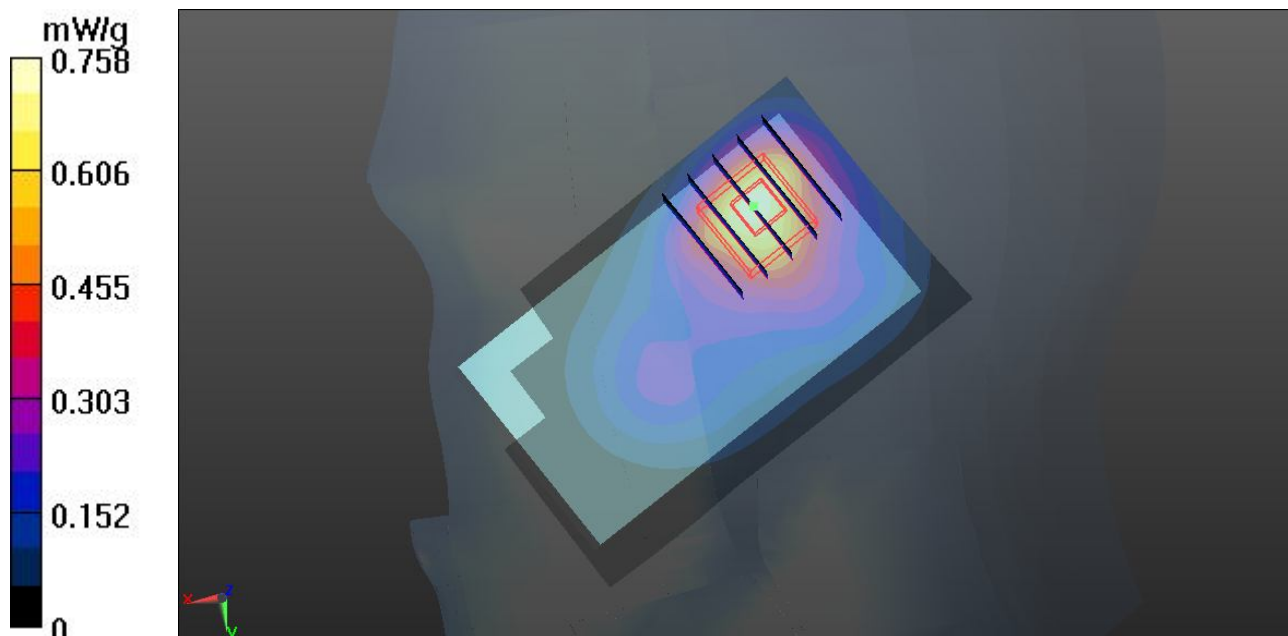
Communication System: Generic GSM; Frequency: 1880 MHz; Duty Cycle: 1:8.3  
Medium: HSL\_1900\_120309 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.399$  mho/m;  $\epsilon_r = 40.745$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.6 °C; Liquid Temperature : 21.6 °C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(8.36, 8.36, 8.36); Calibrated: 16.11.2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 10.11.2011
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch661/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.758 mW/g

**Ch661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 15.919 V/m; Power Drift = -0.0013 dB  
Peak SAR (extrapolated) = 1.1990  
**SAR(1 g) = 0.703 mW/g; SAR(10 g) = 0.384 mW/g**  
Maximum value of SAR (measured) = 0.766 mW/g



### 03 GSM1900\_Right Cheek\_Ch661\_2D

**DUT: 192301-01**

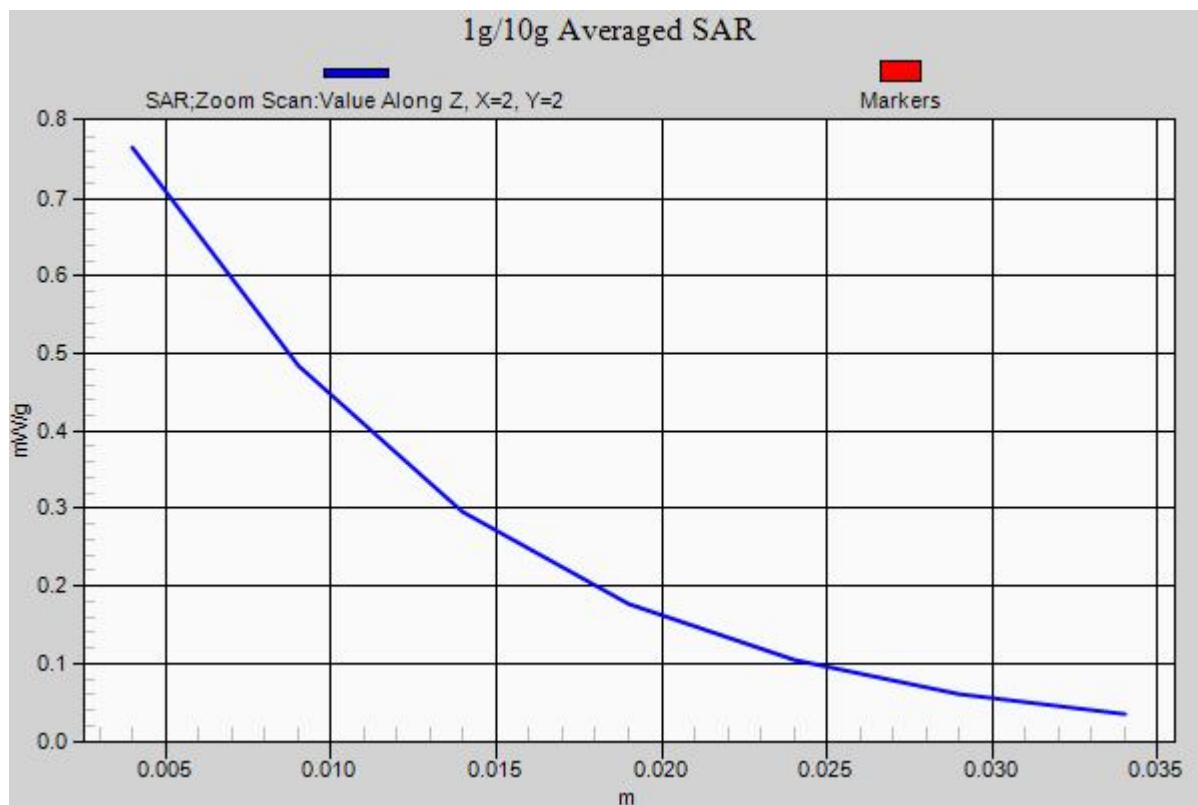
Communication System: Generic GSM; Frequency: 1880 MHz; Duty Cycle: 1:8.3  
Medium: HSL\_1900\_120309 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.399$  mho/m;  $\epsilon_r = 40.745$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(8.36, 8.36, 8.36); Calibrated: 16.11.2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 10.11.2011
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch661/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.758 mW/g

**Ch661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 15.919 V/m; Power Drift = -0.0013 dB  
Peak SAR (extrapolated) = 1.1990  
**SAR(1 g) = 0.703 mW/g; SAR(10 g) = 0.384 mW/g**  
Maximum value of SAR (measured) = 0.766 mW/g



### 04 GSM1900\_Right Tilted\_Ch661

#### DUT: 192301-01

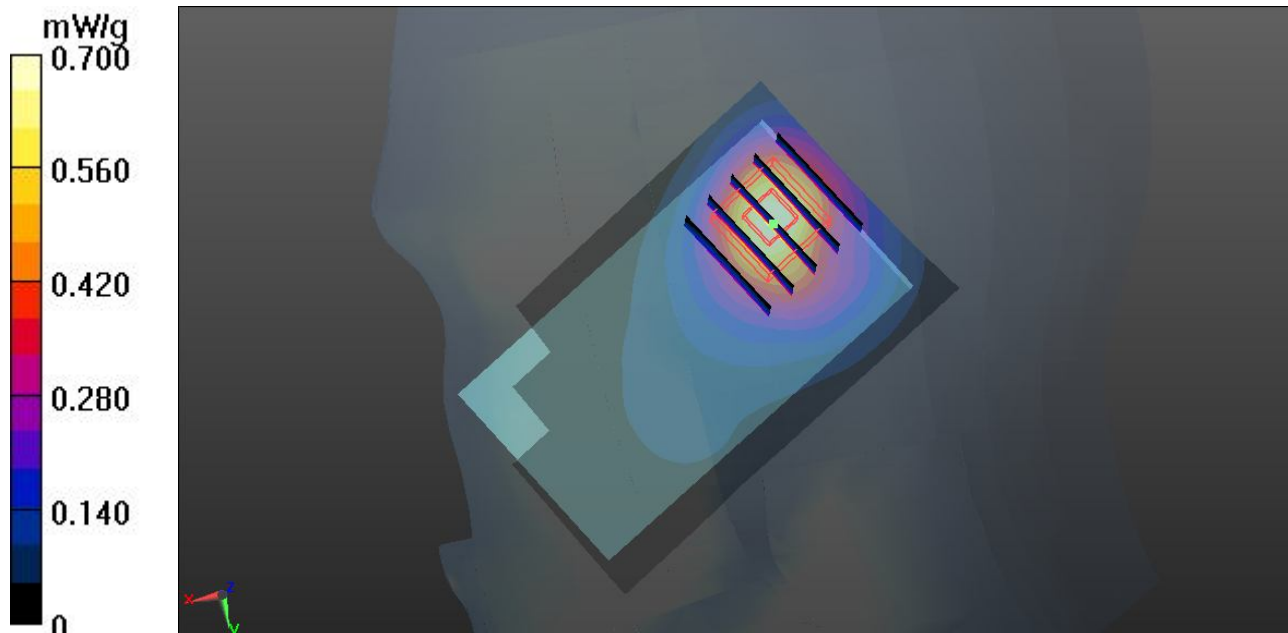
Communication System: Generic GSM; Frequency: 1880 MHz; Duty Cycle: 1:8.3  
 Medium: HSL\_1900\_120309 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.399$  mho/m;  $\epsilon_r = 40.745$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Ambient Temperature : 23.6 °C; Liquid Temperature : 21.6 °C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(8.36, 8.36, 8.36); Calibrated: 16.11.2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 10.11.2011
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch661/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.700 mW/g

**Ch661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
 Reference Value = 19.710 V/m; Power Drift = -0.04 dB  
 Peak SAR (extrapolated) = 1.1550  
**SAR(1 g) = 0.654 mW/g; SAR(10 g) = 0.354 mW/g**  
 Maximum value of SAR (measured) = 0.706 mW/g



### 05 GSM1900\_Left Cheek\_Ch661

**DUT: 192301-01**

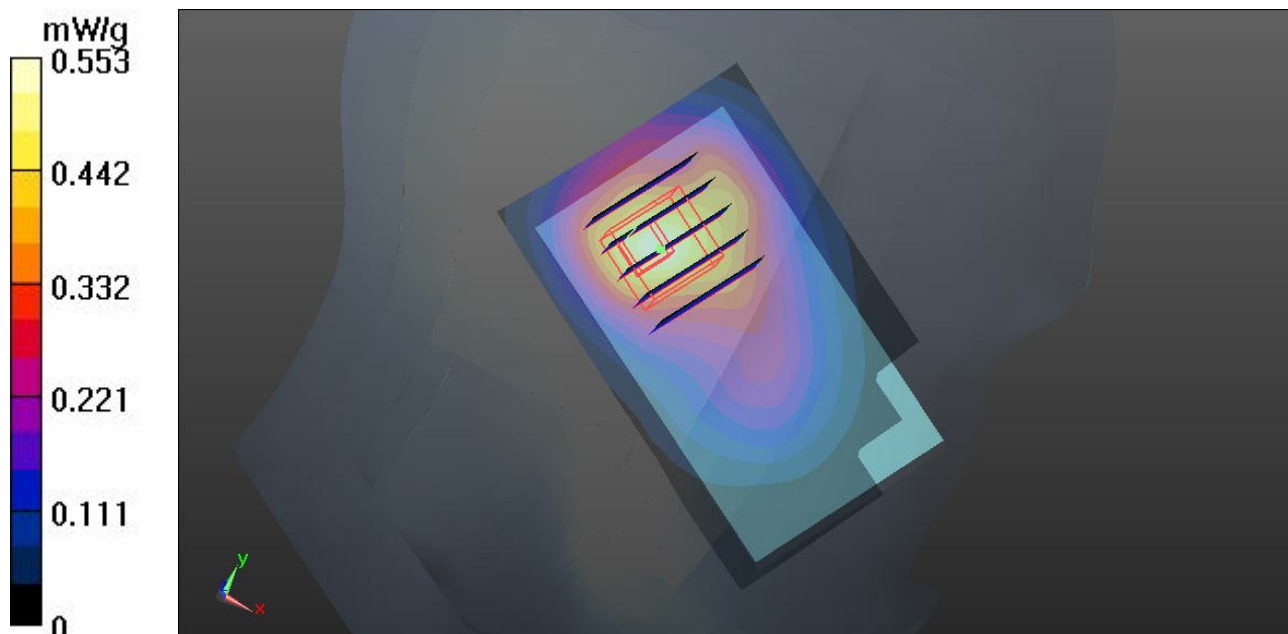
Communication System: Generic GSM; Frequency: 1880 MHz; Duty Cycle: 1:8.3  
Medium: HSL\_1900\_120309 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.399$  mho/m;  $\epsilon_r = 40.745$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(8.36, 8.36, 8.36); Calibrated: 16.11.2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 10.11.2011
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch661/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.553 mW/g

**Ch661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 15.089 V/m; Power Drift = -0.002 dB  
Peak SAR (extrapolated) = 0.8200  
**SAR(1 g) = 0.494 mW/g; SAR(10 g) = 0.286 mW/g**  
Maximum value of SAR (measured) = 0.523 mW/g



## 06 GSM1900\_Left Tilted\_Ch661

### DUT: 192301-01

Communication System: Generic GSM; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: HSL\_1900\_120309 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.399$  mho/m;  $\epsilon_r =$

$40.745$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(8.36, 8.36, 8.36); Calibrated: 16.11.2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 10.11.2011
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch661/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.572 mW/g

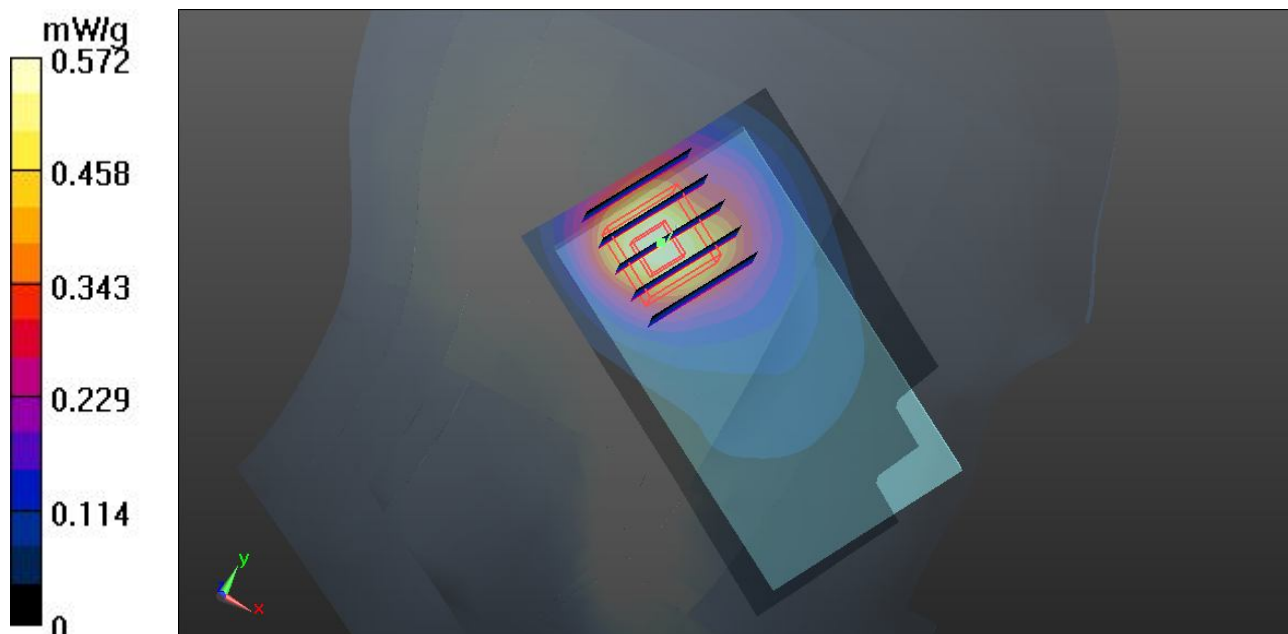
**Ch661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.286 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.9380

**SAR(1 g) = 0.547 mW/g; SAR(10 g) = 0.304 mW/g**

Maximum value of SAR (measured) = 0.602 mW/g



## 01 GSM850\_GPRS12\_Face\_1.5cm\_Ch251

### DUT: 192301-01

Communication System: GPRS/EDGE12; Frequency: 848.8 MHz; Duty Cycle: 1:2

Medium: MSL\_835\_120309 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.989$  mho/m;  $\epsilon_r = 54.251$ ;

$\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.72, 9.72, 9.72); Calibrated: 16.11.2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 10.11.2011
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch251/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.460 mW/g

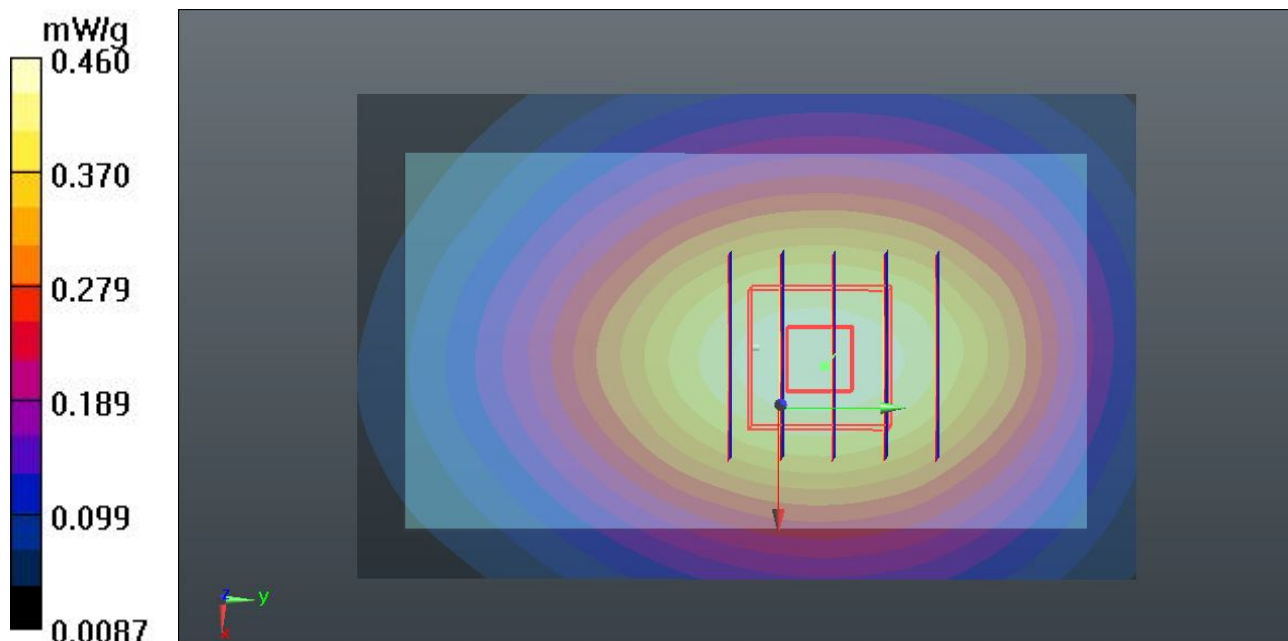
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.983 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.5660

**SAR(1 g) = 0.431 mW/g; SAR(10 g) = 0.314 mW/g**

Maximum value of SAR (measured) = 0.456 mW/g





## 02 GSM850\_GPRS12\_Bottom\_1.5cm\_Ch251

**DUT: 192301-01**

Communication System: GPRS/EDGE12; Frequency: 848.8 MHz; Duty Cycle: 1:2

Medium: MSL\_835\_120309 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.989$  mho/m;  $\epsilon_r = 54.251$ ;

$\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.72, 9.72, 9.72); Calibrated: 16.11.2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 10.11.2011
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch251/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.904 mW/g

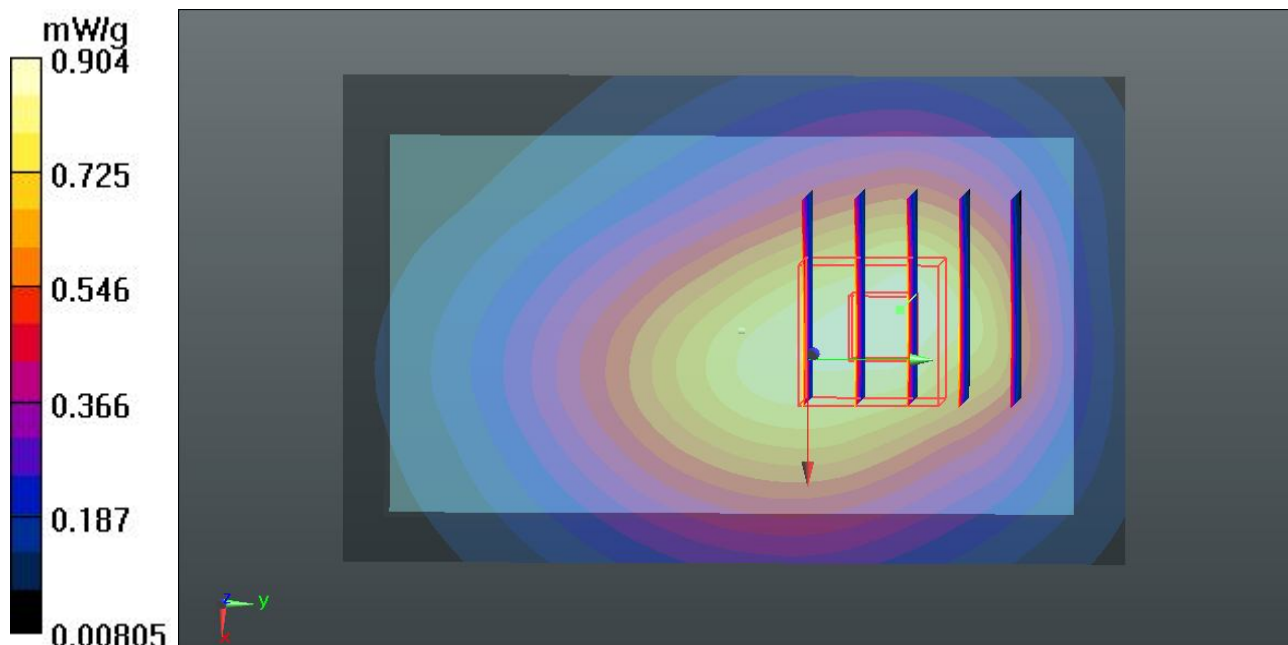
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.090 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.0690

**SAR(1 g) = 0.798 mW/g; SAR(10 g) = 0.574 mW/g**

Maximum value of SAR (measured) = 0.837 mW/g



## 02 GSM850\_GPRS12\_Bottom\_1.5cm\_Ch251\_2D

**DUT: 192301-01**

Communication System: GPRS/EDGE12; Frequency: 848.8 MHz; Duty Cycle: 1:2

Medium: MSL\_835\_120309 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.989$  mho/m;  $\epsilon_r = 54.251$ ;

$\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.72, 9.72, 9.72); Calibrated: 16.11.2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 10.11.2011
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch251/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.904 mW/g

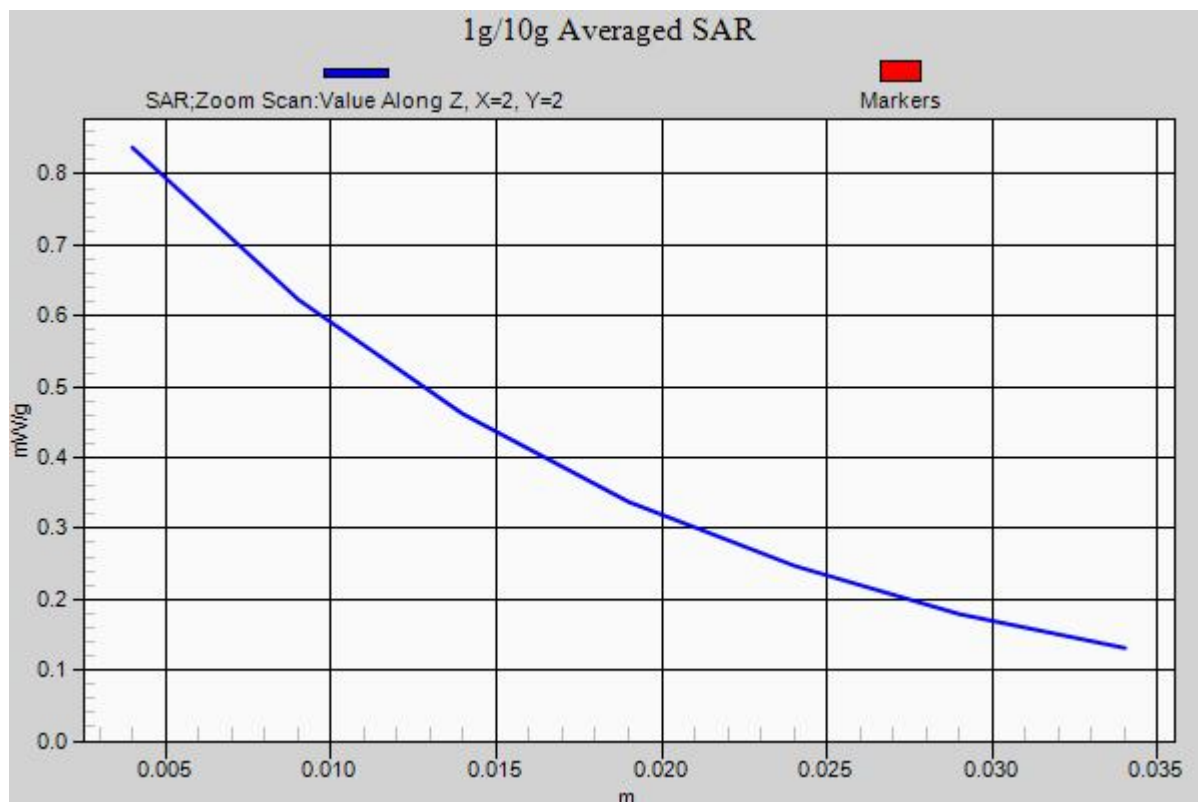
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.090 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.0690

**SAR(1 g) = 0.798 mW/g; SAR(10 g) = 0.574 mW/g**

Maximum value of SAR (measured) = 0.837 mW/g



### 07 GSM1900\_GPRS12\_Face\_1.5cm\_Ch661

**DUT: 192301-01**

Communication System: GPRS/EDGE12; Frequency: 1880 MHz; Duty Cycle: 1:2

Medium: MSL\_1900\_120310 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.506$  mho/m;  $\epsilon_r = 54.9$ ;

$\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.71, 7.71, 7.71); Calibrated: 16.11.2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 10.11.2011
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch661/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.297 mW/g

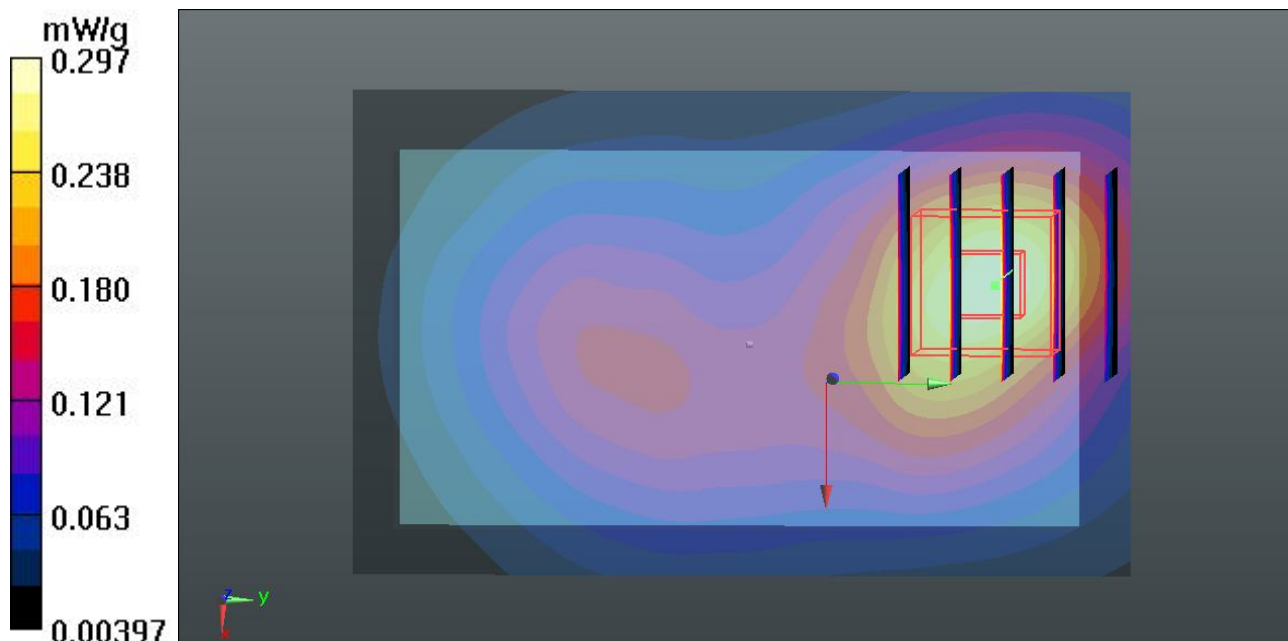
**Ch661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.181 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.4330

**SAR(1 g) = 0.269 mW/g; SAR(10 g) = 0.161 mW/g**

Maximum value of SAR (measured) = 0.291 mW/g



### 08 GSM1900\_GPRS12\_Bottom\_1.5cm\_Ch661

**DUT: 192301-01**

Communication System: GPRS/EDGE12; Frequency: 1880 MHz; Duty Cycle: 1:2

Medium: MSL\_1900\_120310 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.506$  mho/m;  $\epsilon_r = 54.9$ ;

$\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.71, 7.71, 7.71); Calibrated: 16.11.2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 10.11.2011
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch661/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.396 mW/g

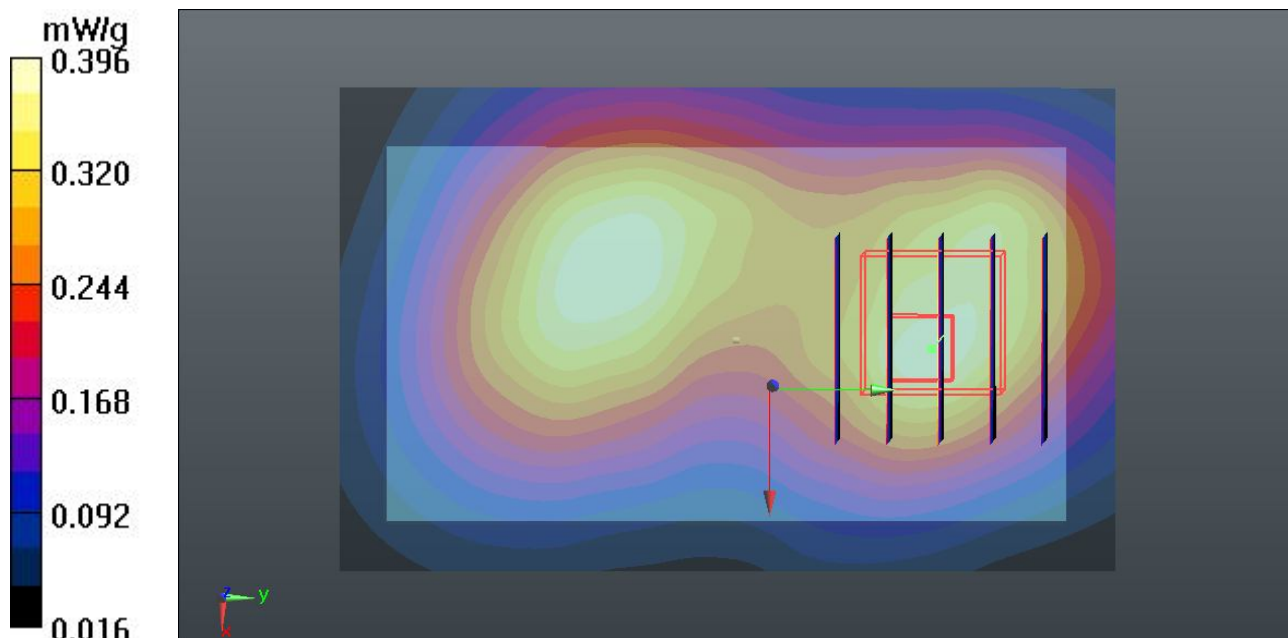
**Ch661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.098 V/m; Power Drift = -0.0071 dB

Peak SAR (extrapolated) = 0.5950

**SAR(1 g) = 0.355 mW/g; SAR(10 g) = 0.216 mW/g**

Maximum value of SAR (measured) = 0.382 mW/g



### 08 GSM1900\_GPRS12\_Bottom\_1.5cm\_Ch661\_2D

**DUT: 192301-01**

Communication System: GPRS/EDGE12; Frequency: 1880 MHz; Duty Cycle: 1:2

Medium: MSL\_1900\_120310 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.506$  mho/m;  $\epsilon_r = 54.9$ ;

$\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.71, 7.71, 7.71); Calibrated: 16.11.2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 10.11.2011
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch661/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.396 mW/g

**Ch661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.098 V/m; Power Drift = -0.0071 dB

Peak SAR (extrapolated) = 0.5950

**SAR(1 g) = 0.355 mW/g; SAR(10 g) = 0.216 mW/g**

Maximum value of SAR (measured) = 0.382 mW/g

